U.S. Department of the Interior • U.S. Geological Survey

MINERAL INDUSTRY SURVEYS

Gordon P. Eaton, Director

Reston, VA 20192

For information call: George Rabchevsky (703) 648-7711 FAX No. (703) 648-7722 William Field (data) (703) 648-7991 FAX No. 1-800-543-0661

Phosphate Rock, Monthly Mines FaxBack: (703) 648-4996; Document No. 540007 Mines Data: (703) 648-7799

MARKETABLE PHOSPHATE ROCK -- JULY 1996

U.S. marketable phosphate rock production in July 1996 decreased about 7% compared to the prior month, according to the U.S. Geological Survey (USGS). Annualized production was 42.4 million metric tons through July compared with production of 43.4 million tons in 1995.

Domestic phosphate rock sold or used, excluding exports for July, increased to slightly more than 3.5 million tons between June and July, with all annualized sales or use running about 2% behind the total for 1995 (Table 3).

- U.S. producer ending stocks for July decreased about 3% compared with June. In the Florida-North Carolina producing region, stocks decreased about 5%, while stocks in Idaho, Montana, and Utah remained nearly the same compared with the previous month.
- U.S. phosphate rock export volume reported to the USGS by domestic producers in July were not nearly as high as June 1996 levels. Total U.S. import tonnage was estimated by USGS to average 150,000 tons per month, or 1.8 million tons per year. July import data were not available at the time of publication.

Estimated 1996 apparent domestic consumption, calculated from the sum of home deliveries and adjusted import data, translated to an annual rate of 39.5 million tons per year compared with 42.6 million tons in 1995.

${\bf TABLE~1}\\ {\bf UNITED~STATES~PHOSPHATE~ROCK~STATISTICS,~BY~REGION~1/}$

(Thousand metric tons)

Floridat and North Carollins: 1995:		Marketable		Sold and/or used		Ending
1995:	Period	production	Domestic	Exports	Total	stocks 2/
Jan. June 3/ 19,300 18,000 1,470 19,500 July 3,200 2,870 187 3,060 Angus 3,150 2,770 229 3,000 September 3,130 2,970 247 3,229 Cetober 2,890 2,880 284 3,160 Nivember 2,930 2,710 202 2,910 December 2,910 2,940 264 3,200 July-Dec 18,200 17,100 1,410 18,600 JanDec 37,500 35,100 2,880 38,100 January 2,980 2,790 158 2,950 January 2,980 2,790 158 2,950 January 2,980 2,670 2,75 2,950 April 3,140 e/ 2,900 e/ W 2,900 e/ May 3,340 July 3,340 2,690 W 2,750 July 3,140 2,690 W 2,000 e/ M 2,690 July 3,140 2,690 W 2,000 e/ M 2,000 July 4,344 4,53 July 5,34 6,270 2,650 2,650 July 6,34 6,23 July 6,34 6,23 July 6,34 6,23 July 6,34 6,23 September 371 379 September 371 379 September 371 379 September 3,190 2,990 2,990 2,990 July 6,44 6,43 September 371 379 September 371 379 September 3,190 2,990 2,990 July 6,64 495 July 6,64 495 July 6,64 495 .						
July						
August 3,150 2,770 229 3,000 3,500 5,500 2,500 247 3,220 0,000 2,890 2,880 2,84 3,160 1,000						XX
September 3,130 2,970 247 3,220 October 2,890 2,880 284 3,160 November 2,990 2,710 202 2,910 December 2,910 2,940 264 3,200 July-Dec. 18,200 17,100 1,410 18,600 July-Dec. 37,500 35,100 2,880 38,100 July-Dec. 18,200 17,100 1,410 18,600 July-Dec. 3,7500 35,100 2,880 38,100 July 2,980 2,790 158 2,950 January 2,980 2,790 275 2,950 January 2,980 2,790 231 3,120 April 3,140 c 2,900 c W 2,900 c May 3,200 2,750 W 2,750 July 2,800 2,900 W 2,590 July 2,800 2,900 W 2,590 July 2,800 2,900 W 2,900 July 2,800 2,900 W 2,900 July 3,410 2,650						3,760
October 2,890 2,880 284 3,160 1.60						3,890
November 2,930 2,710 202 2,910 3,200 2,940 264 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 2,280 3,200 3,200 2,270 3,200 2,275 2,950 3,200 3,200 2,670 275 2,950 3,200 3,200 2,750 3,200 2,750 3,200 2,750 3,200 3,200 2,750 3,200 3,200 2,750 3,200 3,200 2,750 3,200		<u> </u>				3,790
December 2,910 2,940 264 3,200 3,101 1,110 1,1410 1,186,00 3,100 3,100 2,880 38,100 3,100 3,100 2,880 38,100 3,100						3,760
July Dec. 18,200 17,100 1,410 18,600 38,100 1996;						3,800
JanDec. 37,500 35,100 2,880 38,100 1996:						3,660
1996:						XX
Annuary		37,500	35,100	2,880	38,100	XX
February		2.090	2 700	150	2.050	3,690
March 3,170 2,890 231 3,120 3,491 3,140 e' 2,900 e' W 2,900 e' My 3,200 2,750 W 2,750 4 May 3,200 2,750 W 2,750 4 May 3,200 2,900 W 2,690 W 2,690 My 2,900 4 May 2,800 2,900 W 2,900 4 May 3,800 3,900 2,900 Mw 2,900 4 March 3,590 3,280 2,900 Mw 2,900 4 March 3,590 3,280 2,310 March 3,590 3,280 2,311 3,510 March 3,590 3,280 2,311 3,510 March March 3,590 3,280 231 3,510 March March 3,590 3,280 231 3,510 March March 3,590 3,280 231 3,510 March 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,200 3,2						3,690
April 3,140 2,900 W 2,900 E May 3,200 2,750 W 2,750 A						3,750
May						3,850 e/
June						4,170
Tuly	-					4,550
Idaho, Montana, and Utah: 1995:						4,330
1995:		2,000	2,700		2,700	1,550
Jan June 3/						
July		2.670	2,650		2.650	XX
August 710 573 - 573 7 September 677 485 - 485 7 September 677 485 - 485 7 October 470 532 - 532 November 371 379 - 379 December 335 396						1,790
September 677 485 485 2 October 470 532 532 1 November 371 379 379 1 December 335 396 396 1 Jan-Dec. 3,190 2,990 2,990 1 Jan-Dec. 5,660 5,640 5,640 1996: January 250 382 382 1 1 1 1 1 1 1 1 4 1 389 389 4 315 e/ 315 e/ 4 4 4 4 1 389 389 389 389 485 495 495 495 495 495 495 495 552 e/ 552 e/ 552						2,050
October 470 532 — 532 November 371 379 — 379 December 335 396 — 396 July-Dec. 3,190 2,990 — 2,990 Jan-Dec. 5,860 5,640 — 5,640 1996: — 382 — 382 February 383 e/ 315 e/ — 315 e/ March 421 389 — 389 April 564 495 — 495 May 618 511 — 511 June 510 e/ 552 e/ — 552 e/ July 614 e/ 614 e/ — 614 e/ United States: 1 1995: — 614 e/ — 1995: — 614 e/ — 614 e/ — 1996: — 552 e/ — 552 e/ — 1995: —		677	485		485	2,100
November 371 379 379						1,990
July-Dec. 3,190 2,990 2,990 JanDec. 5,860 5,640 5,640	November	371				1,950
JanDec. 5,860 5,640 5,640 1996:	December	335	396		396	1,940
1996: January 250 382 382	July-Dec.	3,190	2,990		2,990	XX
January 250 382 382	JanDec.	5,860	5,640		5,640	XX
February 383 e/ 315 e/ — 315 e/ 2 March 421 389 — 389 2 April 564 495 — 495 2 May 618 511 — 511 2 June 510 e/ 552 e/ — 552 e/ 3 July 614 e/ 614 e/ — 614 e/ 2 United States: 1995: — 614 e/ — 614 e/ 2 Jan June 3/ 22,000 20,700 1,470 22,100 2 July 3,830 3,490 187 3,680 5 August 3,860 3,340 229 3,570 5 September 3,810 3,460 247 3,700 5 September 3,360 3,410 284 3,700 5 October 3,360 3,410 284 3,700 5 December 3,250	1996:					
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April 564 495 495 2 May 618 511 511 3 June 510 e/ 552 e/ 552 e/ 2 July 614 e/ 614 e/ 614 e/ 2 United States: 1995: 614 e/ 2 July 3,830 3,490 187 3,680 2 August 3,860 3,340 229 3,570 3 September 3,810 3,460 247 3,700 3 October 3,360 3,410 284 3,700 3 November 3,300 3,090 202 3,290 3 December 3,250 3,330 264 3,600 3 July-Dec. 21,400 20,100 1,410 21,500 JanDec. 43,400 40,800 2,880 43,700 1996: 3 3,280 2,790 275	February	383 e/	315 e/		315 e/	2,010 e/
May 618 511 511 2 June 510 e/ 552 e/ 552 e/ 2 July 614 e/ 614 e/ 614 e/ 2 United States: 1995: 8 8 8 8 1470 22,100 22,100 1470 22,100 20 1470 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100 22,100	March					2,050 e/
June 510 e/ 552 e/ 552 e/ 2 July 614 e/ 614 e/ 614 e/ 2 United States: 1995: Telepton States Jan June 3/ 22,000 20,700 1,470 22,100 July 3,830 3,490 187 3,680 2 August 3,860 3,340 229 3,570 2 September 3,810 3,460 247 3,700 2 October 3,360 3,410 284 3,700 2 November 3,300 3,090 202 3,290 3 December 3,250 3,330 264 3,600 3 July-Dec. 21,400 20,100 1,410 21,500 Jan-Dec. 43,400 40,800 2,880 43,700 1996: 3,280 2,790 e/ 275 3,260 e/ 5 January 3,280 e/ 2,990 e/	April					2,150
July 614 e/ 614 e/ 614 e/ 2 United States: 1995: 614 e/ 2 Jan June 3/ 22,000 20,700 1,470 22,100 July 3,830 3,490 187 3,680 3 August 3,860 3,340 229 3,570 2 September 3,810 3,460 247 3,700 5 October 3,360 3,410 284 3,700 5 November 3,300 3,090 202 3,290 5 December 3,250 3,330 264 3,600 2 July-Dec. 21,400 20,100 1,410 21,500 JanDec. 43,400 40,800 2,880 43,700 1996: 3 3,230 3,170 158 3,330 5 January 3,280 e/ 2,990 e/ 275 3,260 e/ 5 March 3,590 3,280	i					2,200
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October 3,360 3,410 284 3,700 5 November 3,300 3,090 202 3,290 5 December 3,250 3,330 264 3,600 5 July-Dec. 21,400 20,100 1,410 21,500 JanDec. 43,400 40,800 2,880 43,700 1996: January 3,230 3,170 158 3,330 5 February 3,280 e/ 2,990 e/ 275 3,260 e/ 5 March 3,590 3,280 231 3,510 5 April 3,700 e/ 3,400 e/ W 3,400 e/ 6 May 3,820 3,260 W 3,260 6						5,940
November 3,300 3,090 202 3,290 5 December 3,250 3,330 264 3,600 5 July-Dec. 21,400 20,100 1,410 21,500 JanDec. 43,400 40,800 2,880 43,700 1996: January 3,230 3,170 158 3,330 5 February 3,280 e/ 2,990 e/ 275 3,260 e/ 5 March 3,590 3,280 231 3,510 5 April 3,700 e/ 3,400 e/ W 3,400 e/ 6 May 3,820 3,260 W 3,260 6						5,890
December 3,250 3,330 264 3,600 5 July-Dec. 21,400 20,100 1,410 21,500 JanDec. 43,400 40,800 2,880 43,700 1996: January 3,230 3,170 158 3,330 5 February 3,280 e/ 2,990 e/ 275 3,260 e/ 5 March 3,590 3,280 231 3,510 5 April 3,700 e/ 3,400 e/ W 3,400 e/ 6 May 3,820 3,260 W 3,260 6						5,740
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1996: January 3,230 3,170 158 3,330 5 February 3,280 e/ 2,990 e/ 275 3,260 e/ 5 March 3,590 3,280 231 3,510 5 April 3,700 e/ 3,400 e/ W 3,400 e/ 6 May 3,820 3,260 W 3,260 6			· · · · · · · · · · · · · · · · · · ·			XX XX
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February 3,280 e/ 2,990 e/ 275 3,260 e/ 5 March 3,590 3,280 231 3,510 5 April 3,700 e/ 3,400 e/ W 3,400 e/ 6 May 3,820 3,260 W 3,260 6		3 220	3 170	159	3 330	5,610 e/
March 3,590 3,280 231 3,510 3 April 3,700 e/ 3,400 e/ W 3,400 e/ W May 3,820 3,260 W 3,260 G					-	5,700 e/
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May 3,820 3,260 W 3,260 t			· · · · · · · · · · · · · · · · · · ·			6,000 e/
					-	6,370
	June	3,650 e/	3,240 e/	W	3,240 e/	6,730 e/
						6,510 e/

e/ Estimated. W Withheld to avoid disclosing company proprietary data. XX Not applicable.

^{1/} Data are rounded to three significant digits; may not add to totals shown.

^{2/} Includes inventory adjustments.

^{3/} Final data. This is reported in the (crop-year--July 1994 through June 1995) Annual Review publication, December 1995. Previously reported monthly data is preserved to show month-to-month activities that closely follow the production, sales/use and inventory data acquired through monthly surveys.

TABLE 2 U.S. IMPORTS 1/2/3/ AND EXPORTS 4/ OF PHOSPHATE ROCK 5/

(Thousand metric tons and thousand dollars)

	Imports		Expo	orts
Period	Quantity	Value	Quantity	Value
1995:				
JanJune 1995	345	17,400	1,470 6/	37,700 6/
July	168	9,170	187	5,150
August	(7/)	23	229	6,290
September	136	6,830 e/	247	7,080
October	140 e/	7,040 e/	284	8,260
November	144 e/	7,240 e/	202	6,340
December	150 e/	7,540 e/	264	7,680
JanDec. 1995	1,080 e/	55,200 e/	2,880	73,900
1996:				
January	(7/)	32	158	4,050
February	64	3,730	275	8,820
March	49	2,790	231	7,210
April	(7/)	2	W	W
May	62	3,660	W	W
June	64	3,710	W	W
July	NA	NA	W	W

- e/ Estimated. NA Not available. W Withheld to avoid disclosing company proprietary
- 1/ Data supplied by the Bureau of the Census under the Harmonized Tariff Schedule of the United States HTS Nos. 2510.10.0000 and 2510.20.0000.
- 2/ C.i.f. (cost, insurance, and freight) values at U.S. ports.
- 3/ Excludes data suppressed by the Bureau of the Census.
- 4/ Quantity and value f.o.b. mine reported by respondents in the monthly survey.
- 5/ Data are rounded to three significant digits; may not add to totals shown.
- $6/\,As$ reported or calculated using data from the Crop Year 1995 annual survey publication, December 1995.
- 7/ Less than 1/2 unit.

TABLE 3
COMPARATIVE PHOSPHATE ROCK STATISTICS

(Million metric tons per year and dollars per metric ton for period shown)

	1993	1994	1995	1996
				(YTD annualized)
United States:				
Marketable production:				
Florida and North Carolina	29.9	34.0	37.5	36.6
Montana, Idaho, and Utah	5.2	7.1	5.9	5.8 e/
Total 1/	35.5	41.1	43.4	42.4 e/
Sold or used by producers: 2/				
Florida and North Carolina	34.7	37.4	38.0	35.9
Montana, Idaho, and Utah	5.9	6.7	5.6	5.6 e/
Total 1/	40.1	44.1	43.6	41.5 e/
Yearend stocks	9.2	6.0	5.7	XX
Exports	3.2	2.8	2.9	W
Average value per ton	\$28.51	\$25.60	\$25.66	\$31.51 3/
Imports for consumption	1.4 e/	1.8 e/	1.8 e/	1.8 e/
Average value per ton	\$60.45	\$48.76	51.3 e/4/	\$58.26 e/3/
Apparent consumption	38.3 e/ 5/	43.1 e/ 5/	42.6 e/ 5/	39.5 e/5/

- e/ Estimated. W Withheld to avoid disclosing company proprietary data. XX Not applicable.
- 1/ Data may not add to totals shown because of independent rounding.
- 2/ Includes exports reported by producers.
- 3/ Calculated from nonannualized 1996 data, January through the most recent month of available reporting.
- 4/ Calculated from nonannualized 1995 data, January through December.
- 5/ Calculated as total domestic sales or used plus imports minus exports, where imports are estimated to average about 150,000 tons per month, (and though the average monthly estimate may appreciably exceed any one month's reported imports).